

February 1985 meeting

Fri. Feb. 1 7:30PM  
Menlo Park Rec. Center (map below)

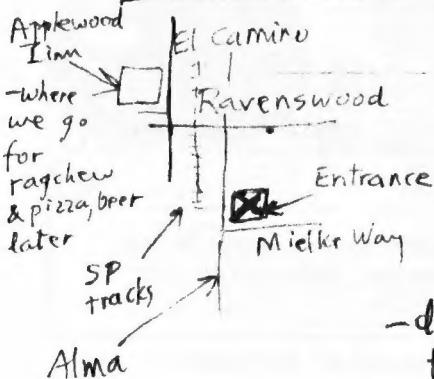
# PAARA

## GRAPHS



**palo alto  
AMATEUR  
RADIO ASSN.**

MENLO PARK C.D. RADIO CLUB, K6YQT



**Speaker:**

**Howard Nurse  
WD6A (ex-W6LLO)**

"Image Communications,  
with the APPLE II Computer  
- demo of "PHOTOCASTER" and  
talk on application to ham  
slow scan TV

\*\*\*\*\*  
**PARRAGRAPHS** is the official newsletter of  
the Palo Alto Amateur Radio Association &  
the Menlo Park Civil Defense Radio Club.  
\*\*\*\*\*

**1984 CLUB OFFICERS**

President	Alan Larson	WA6AZP	326-6430
Vice-President	Andy Korsak	VE3FZK	366-5228
Secretary	Bill King	N6CHI	595-0258
Secretary	Bill King	N6CHI	595-0258**
Treasurer	Jack McEnnerney	W6LII	591-8526
Trustee, W6OTX	Fred Canham	K6YT	948-9238
Property	Ed Fairbanks	W6AIN	322-0319
Co-Property/Badges	Fred Canham	K6YT	948-9238
Refreshments	Frank Chandler	WB6QPV	322-7678
ARES Officer	Steve Stuntz	K6PS	322-4952
Club Historian	Jerry Zobel	W6ARA	322-0063

\*\*\*\*\*

Club Nets 147.45 MHZ Monday • 8:30 PM & 14.287 • 9:00 PM

\*\*\*\*\*

**BOARD OF DIRECTORS**

Chairman	Dave Daniels	KB6WP
	Gerry Tucker	WA6LNV
	Ed Fairbanks	W6AIN
	Clif Keely	KA6JWA
	Andy Anderson	K6EHS
	Ron Panton	W6VG

\*\*\*\*\*  
**PAARAGRAPHS STAFF**

Editor	Rob Taylor	KA6NAN	857-9138
Advertising	Swede Swenson	N6CHL	368-8503
Mailing	Bill McElhinney	KA6LZI	325-9808

\*\*\*\*\*

**PAARA POLICIES**

Membership in PAARA is \$6.00 per calender year (payable in Jan), which includes a subscription to Paaragraphs. Make payment to PAARA, P.O. Box 911, Menlo Park, Ca. 94026

Sorry, Bill, I goofed last month and left you out, so this ought to make up for it -- Andy.

Feb program -- Feb 1, 1985 7:30 PM

Menlo Park Rec Center

## Image Communications with the Apple II Computer

Howard Nurse WD6A, (ex W6LLO)

Howard will demonstrate his company's product  
"PHOTOCASTER", used for slow-scan tv

Herb, W6SAW, reports that he has a Kenwood  
TR-7850 2 meter FM transceiver, 40 watts, in  
perfect condition, never used mobile available  
available for sale. He also has a 12 volt DC  
supply and isopole antenna. He is asking \$195,  
and can be reached at 415-364-8538

To: All Packet Stations

Jeff Sue, WA6SLF, and Dave Pope, K6JKQ, both located in Stockton, CA, report success in linking into the Bay Area using a new high-level repeater put up by Rob Taylor, KA6NAN.

The new machine, KA6NAN-1, is located 2400' high in the foothills overlooking the city of Palo Alto, CA. The hardware in use is the GLB controller. At this elevation the KA6NAN repeater becomes the highest level repeater serving the Bay Area packet user community, and will undoubtedly bring packet access to some of the other major cities which are neighbors to San Francisco.

## Presidents Corner

I would like to encourage all of the members to remember the Monday night net, 147.45 MHz at 8:30 pm local time. This is where you can learn the latest of what is happening in PAARA, and can become a more active part of it all. Checkins and activity on the net have been rather low, and I am sure the regulars would love to hear some new voices.

I look forward to seeing all of you at the next meeting.

## Contest Corner

January brought us the January VHF sweepstakes, which had a major rule change this year that made it almost the same as the September VHF QSO Party. The big difference was that it was a LOT colder on the mountain.

Regardless of the temperature, Bob Gallagher, *KA6IRT*, and Alan Larson *WA6AZP*, joined a team to operate *NU6S* on a mountain south of San Jose. They definitely appreciated hearing from those PAARA members who were able to give them a call over the weekend. I am sure that a good time was had by all.

This February will include the North American Sprint, which Tom Schiller, *N6BT*, described in his talk to PAARA a couple of years ago. The CW version will be February 2nd, with Phone a week later on February 9th. The rules may be a bit hard to find, I found a copy on page 88 of the January 1984 (last year's) QST. It runs for just four hours, so it won't be a major disaster in the schedule. It also includes a special QSY rule, so read the rules carefully.

## 220-MHz DIGIPEATERS

Scott Miles, *WB6PQM*, is establishing two new 220-MHz digipeaters in the San Francisco Bay area. The new simplex machines will be running on 223.58 MHz, and are intended to serve the needs of RACES in Contra Costa county. The digipeaters will be based on GLB PK-1 TNCs.

Rich Collins, *NT6U*, reports that he and David Bly, *WD6EVM*, have installed a digipeater on 220.58 MHz in San Leandro, CA. This site, made available by the Alameda County RACES group, provides good coverage of the Bay area.

Via *KA6M*.



# QUEMENT ELECTRONICS

1000 SO. BASCOM, SAN JOSE  
PHONE: 998-5900  
Open: Mon.-Sat. 9-6



## EASY WHEELCHAIR ACCESS

• ANTENNAS • HAM GEAR • CITIZEN'S BAND • COMMERCIAL AND INDUSTRIAL PARTS SUPPLY • SERVICE DEPARTMENT • ACOUSTIC SOUND DEMONSTRATION ROOM • COMPLETE STEREO HI/FI DEPARTMENT



**ICOM**

8-150MHz, 200W



### FEATURES:

- Compact Size
- Built-in Receive Preamp
- All-mode SSB, FM and CW
- Complete Front Panel Switching
- Automatic Antenna Changeover
- 2 Watts In—30 Watts Out

### SPECIFICATIONS:

Frequency Range	144 to 148 MHz
RF Power In	200 mw to 5 Watts
RF Power Out	30 Watts (2 in-30 out)
Modes	SSB, FM and CW
Receive Preamp	10 db gain min
DC Power	2.0 db
Size - Weight	5 db noise figure
Warranty	13.6 VDC 5 Amps
	3 1/2" x 2" x 7" 1 1/4 Lbs
	5 years (1 year RF Power Trans.)

## NEW MFJ VERSALOAD MFJ KW DUMMY LOAD

Lets you tune up fast into 50 ohm resistive load. Extend life of finals. Reduce QRM. Includes transformer oil. 1 KW CW, 2 KW PEP for 10 minutes. Low VSWR to 400 MHz.



*Includes high quality  
transformer oil.  
Low VSWR to 400 MHz.  
1 KW CW, 2 KW PEP.*

**\$34.95**

New MFJ-250 VERSALOAD kilowatt dummy load lets you tune up fast. Extends life of transmitter finals. Reduces on-the-air QRM.

Run 1 KW CW or 2 KW PEP for 10 minutes, 1/2 KW CW or 1 KW PEP for 20 minutes. Continuous duty with 200 watts CW or 400 watts PEP. Complete with derating curve.

Quality 50 ohm non-inductive resistor. Oil coated. Includes high quality, industrial grade transformer oil (contains NO PCB).

Low VSWR to 400 MHz: Under 1.2:1, 0-30 MHz, 1.5:1, 30-300 MHz, 2:1, 300-400 MHz.

Used for testing HF and VHF transmitters.

SO-239 case connector. Vented for safety. Removable vent cap. Has carrying handle. 7-1/2 inches high, 6-5/8 inches diameter.

Order from MFJ and try it — no obligation. If not delighted, return it within 30 days for refund (less shipping). One year unconditional guarantee.

Order today. Call TOLL FREE 800-647-1800. Charge VISA, MC or mail check, money order for \$34.95 plus \$4.00 shipping for MFJ-250.

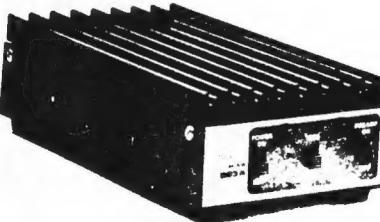
Don't wait, tune up fast and save those finals and reduce on the air QRM. order today.

**CALL TOLL FREE ... 800-647-1800**

Call 601-323-5869 for technical information, or repair status. Also call 601-323-5869 outside continental USA and in Mississippi.

**MFJ ENTERPRISES, INC.**  
BOX 464, MISSISSIPPI STATE, MS 39762

## B23A — 2 Meter Amplifier 2W IN — 30W OUT



## THE COMPLETE ELECTRONIC STORE SOMETHING FOR EVERYBODY

TV - VCR - AUDIO COMPONENTS - ACCESSORIES

WE HAVE THE MOST COMPLETE STOCK OF ELECTRONIC EQUIPMENT IN ALL OF NORTHERN CALIFORNIA



# HF Band Sub-Allocations effective 1-Jan-85

	CW	PHONE	
160M		1.800	2.000
		EAG	
80M	3.5 3.525	3.7 3.75	3.775 3.850
	E EAG	EAGN E	EA EAG
			4.00
40M	7.00 7.025	7.100 7.150	7.225 7.300
	E EAG	EAGN EA	EAG
30M	10.100	10.150	
	EAG		
20M	14.00 14.025	14.15 14.175	14.225 14.350
	E EAG	E EA	EAG
15M	21.0 21.025	21.100	21.2 21.225
	E EAG	EAGN E	EA EAG
			21.300 21.45
10M	28.0 28.1	28.2 28.3	
			EAG
			29.7
			EAGN EAG

# 6 STORE BUYING POWER

## KENWOOD

TS-930S



PAY REGULAR  
PRICE OF \$1599

### RECEIVE FREE

YOUR CHOICE OF

TH-21AT and HMC-1  
2 MTR HANDHELD MIKE HEADSET

REG \$229.99 REG \$39.95

OR

AT-930 and MC-60A

ANT. TUNER MIKE  
REG \$199.95 REG \$79.95

### PLUS FREE U.P.S.

## KENWOOD

TW-4000A



PAY  
REGULAR  
PRICE OF \$599.95

### RECEIVE FREE

YOUR CHOICE OF  
ANY 2 OF THE FOLLOWING

1) VS-1 VOICE SYNTHESIZER  
\$39 VALUE

2) TU4-C SUB-AUDIBLE  
\$39.95 VALUE

3) MA-4000 DUO-BAND

MOBILE ANTENNA. \$44.95 VALUE



W-51  
SALE \$899

LM-354  
SALE \$1599

**SALE!**  
IN STOCK

### PERSONALIZED SERVICE

WE BUILD YOUR OWN  
SIMPSONS, NORTH  
WEST, SOUTHERN  
M-1000, M-1000  
GEORGE WASHINGTON  
DON NEALE, ETC.  
BOB KRIEGER, ETC.  
GET IN A KNAF  
AL KRYTA, ETC.

**ANAHEIM, CA 92801**

2620 W. La Palma  
(714) 761-3033, (213) 860-2040,  
Between Disneyland & Knotts Berry Farm

**BURLINGAME, CA 94010**

999 Howard Ave.

(415) 342-5757.

5 miles south on 101 from San Francisco Airport



## ICOM

IC-R71A



GENERAL COVERAGE  
RECEIVER  
CALL FOR SALE PRICE

## ICOM

IC-751



PAY REG. PRICE OF \$1399

### RECEIVE FREE

IC-2AT HANDHELD

\$269.50 VALUE

## ICOM

IC-02AT

PAY REG. PRICE OF

\$349

### RECEIVE FREE

IC-BP8 BATTERY

\$63 VALUE

## YAESU

FT-209RH

PAY REG. PRICE OF \$349.95

### RECEIVE FREE

FTS-6 ENCODER/DECODER

\$49.95 VALUE

**FREE SHIPMENT**  
UPS SURFACE (Continental U.S.) (MOST ITEMS)

### TOLL-FREE PHONE

INCLUDING ALASKA AND HAWAII

**800-854-6046**

CALIF. AND ARIZONA CUSTOMERS CALL OR VISIT NEAREST STORE

PHONE HOURS: 9:30 AM to 5:30 PM PACIFIC TIME.

STORE HOURS: 10 AM to 5:30 PM Mon. through Sat.

OAKLAND, CA 94609

2811 Telegraph Ave.

(415) 451-5757.

Highway 24 Downtown. Left 27th off-ramp.

PHOENIX, AZ 85015

1702 W. Camelback Road.

(602) 242-3515.

East of Highway 17

## ASTRON POWER SUPPLIES



RUGGED • RELIABLE • HIGH QUALITY  
• HEAVY-DUTY

MODEL	CONT. AMPS	ICS	AMPS	PRICE
RS4A	3	4	50W	\$39
RS7A	5	7	80W	\$49
RS12A	9	12	120W	\$69
RS20A	18	20	200W	\$89
RS20M	16	20	200W	\$109
RS35A	25	35	350W	\$149
RS35M	25	35	350W	\$159
RS50A	37	50	500W	\$199
RS50M	37	50	500W	\$229

- Full electronic regulation 5mV max. ripple
- Current limiting and crowbar protection
- M Series has meter. A Series does not
- Input voltage 105-125VAC Output: 13.6VDC ± 0.05V

## MIRAGE AMPLIFIER SALE

B-1016 \$249

MODEL	BAND	PWR	INPUT	OUTPUT	DC	SALE
		AMP			PWR	PRICE
A1015	8MHz	Yes	10W	150W	20A	\$249
B23S	2MHz	No	2W	30W	5A	\$79
B215	2MHz	Yes	2W	150W	20A	\$259
B108	2MHz	Yes	10W	80W	10A	\$159
B1016	2MHz	Yes	10W	160W	20A	\$249
B3016	2MHz	Yes	30W	180W	20A	\$369
C22A	2MHz	Yes	2W	80W	5A	\$89
C106	220MHz	Yes	10W	80W	10A	\$179
C1016	220MHz	Yes	10W	120W	20A	\$259
D24	440MHz	No	2W	40W	8A	\$179
D1010M	440MHz	No	10W	100W	20A	\$289

RC1 Remote Control for MIRAGE Amplifiers \$24

MP1 and MP2 Peak Reading Wattmeters. Each \$99

Limited quantities at this price

## TRISTAO SALE

MA-40 SALE \$549

40' 2 SECT TUBULAR TOWER

MA-550 SALE \$899

55' 3 SECT. TUBULAR TOWER

## HAM RADIO OUTLET

SAN DIEGO, CA 92123

5375 Kearny Villa Road,  
(619) 580-4900.

Highway 163 and Clarendon Mesa Boulevard

VAN NUYS, CA \$1401

6265 Sepulveda Blvd.

(818) 988-2212

San Diego Freeway at Victory Boulevard



RETURN REQUESTED:  
PAARA P.O. BOX 911  
MENLO PARK, CA. 94025

Andy Korsak  
504 Lakemead Way  
Redwood City CA 94062  
VE3FZK